

SOKOLOVA, M.N.; KAPELYUSHNIKOV, M.A.; ZAKS, S.L.

Possibilities of hydrocarbon recovery from clay rocks by solution in compressed gases. Dokl.AN SSSR 108 no.4:687-690 Je '56. (MIRA 9:9)

1.Chlen-korrespondent AN SSSR (for Kapelyushnikov).2.Institut nefti Akademii nauk SSSR.
(Petroleum research)

ZAKS, S. L.

with M. A. Kapelyushnikov and V. F. Burmistrova "Stimulation of Petroleum Flow by Injecting High Pressure Gas Into a Partially Depleted Formation"

Transactions of the Petroleum Institute, Acad. Sci. USSR, v. 11, Oil Field Industry, Moscow, Izd-vo AN SSSR, 1958. 346pp.

SERGEYEVICH, V.I.; ZHIZE, T.P.; ZAKS, S.L.; BURMISTROVA, V.F.;
GUSAREV, A.V.

Regularities in the flooding of oil from reservoir rocks with
compressed gases in a model reservoir. Neft. khoz. 41 no.2:29-35
(MIRA 17:8)
F '63.

ZAKS, Saveliy Leonidovich; KUSAKOVA, M.M., prof., red.; DUBROVINA,
N.D., ved. red.; YAKOVLEVA, Z.I., tekhn. red.

[Increasing gas drive recovery of oil from the pool; dis-
placements under conditions of mutual solubility of the
displacing and displaced phases and retrograde evaporation]
Povyshenie nefteotdachi plasta nagnetaniem gazov; vytessnenie
v usloviakh vzaimnoi rastvorimosti vtyesniaiushchei i vtye-
sniaemoi faz i obratnogo ispareniiia. Pod red. M.M.Kusakova.
Moskva, Gostoptekhizdat, 1963. 189 p. (MIRA 16:8)
(Oil reservoir engineering)

ZAKS, S.L.; SERGEYEVICH, V.I.

Mechanism for displacing oil with high pressure gases. Neft. khoz.
39 no.11:36-40 N '61. (MIRA 14:12)
(Oil fields--Production methods)

€8170

5.3300

307/20-129-6-37/69

5(4)
AUTHORS: Zaks, S. L., Sergeyevich, V. I.TITLE: The Viscosity of Some Binary Hydrocarbon Mixtures and Condensate Gases in the Supercritical RegionPERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 6, pp 1332-1334
(USSR)

ABSTRACT: The authors determined the viscosity of mixtures of methane and pentane, methane and hexane, methane and heptane, and methane and octane at 20° and 228 atm. The following are enumerated: In figure 1 the dependence of the viscosity of the mixtures on the concentration of the second component; in figure 2, the influence of the molecular weight of the second component upon viscosity, and in figure 3, the dependence of the compressibility coefficient on the concentration of the second component. Viscosity increases with the length of the carbon chain of the second component and with the content of the latter in the mixture. The compressibility coefficient passes through a minimum which is more marked in the case of a lower molecular weight of the second component. Furthermore, viscosity and densities of condensate gases were determined, which were obtained by conveying of methane or a methane-propane mixture at 300 atm

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68170
SOV/20-129-6-37/69

The Viscosity of Some Binary Hydrocarbon Mixtures and Condensate Gases in
the Supercritical Region

through petroleum-containing rock. Under these conditions the components of petroleum are dissolved in the gas and are again condensed when pressure is reduced. The experimental data showed considerable changes in viscosity, compressibility coefficient, and density. This must be taken into account in the exploiting of deposits with gas condensate or of deposits by pressing-in gases under high pressure. The authors make reference in the text to the viscosity measurement of methane carried out by N. V. Meshcheryakov and I. F. Golubov (Ref 1). There are 3 figures and 5 Soviet references.

PRESENTED: March 31, 1959, by P. Ya. Kochina, Academician

SUBMITTED: March 4, 1959

Card 2/2

SERGEYEVICH, V.I.; ZAKS, S.L.

Viscosity, density, and compressibility of certain binary
hydrocarbon mixtures under high pressures. Trudy Inst. geol.
1 razrab. gor. iskop. 2:113-119 '60. (MIRA 14:5)
(Hydrocarbons)

ZAKS, S.L.

Commercial experiments on high-pressure gas injection in a petroleum layer. Trudy Inst. geol. i razrab. gor. iskop. 2:166-176 '60.
(MIRA 14:5)
(Oil fields--Production methods)

KAPELYUSHNIKOV, M.A.; ZAKS, S.L.; BURMISTROVA, V.F.

Increasing oil yield by injecting high-pressure gas into partially
depleted layers. Trudy Inst.nefti 11:209-227 '58.
(MIRA 11:12)
(Oil wells--Gas lift)

ZAYDEL'MAN, F.R., pochvoved; ZAKS, V.G., inzh.

Problems in regulating the water balance of floodlands in a zone
with a high groundwater table. Gidr. i mel. 15 no.10:30-39 0'63.
(MIRA 17:2)

1. Respublikanskiy gosudarstvennyy institut po proyektirovaniyu
vodokhozyaystvennogo i meliorativnogo stroitel'stva RSFSR.

ZAKS, Ya.

Possibilities of lowering handling costs in the wholesale
trade. Sov.torg. no.6:37-41 Je '57. (MLRA 10:2)
(Wholesale trade)

GABRIEL'YANTS, Mikhail Agaronovich, kand.tekhn.nauk; LAVROVA, L.P..
kand.tekhn.nauk, retsenzent; CHOGOVADZE, Sh.K., dotsent,
retsenzent; LAZAREV, Ye.N., kand.tekhn.nauk, retsenzent;
ZAKS, Ya.A., retsenzent; CHISTYAKOV, F.M., prof., red. [deceased];
KOLCHINSKAYA, N.A., red.; MEDRISH, D.M., tekhn.red.

[Study of meat and meat products] Tovarovedenie miasa i missnykh
tovarov. Moskva, Gos.izd-vo torg.lit-ry, 1960.

(MIRA 13:11)

1. Nauchno-issledovatel'skiy institut myasnoy promyshlennosti
(for Lavrova). 2. Leningradskiy institut sovetskoy torgovli imeni
F.Engel'ssa (for Lazarev). 3. Rosmyasorybtorg Ministerstva torgovli
RSFSR (for Zaks).

(Meat)

(Eggs)

S/184/62/000/001/002/006
D041/D113

AUTHORS: Zaks, Yu.I., Nikitin, I.I., Rumyantsev, V.A., Engineers

TITLE: New designs of hermetic water ring vacuum pumps and compressors

PERIODICAL: Khimicheskoye mashinostroyeniye, no. 1, 1962, 4-6

TEXT: The authors describe the design and operation of the new BBH-50 (VVN-50) hermetic water ring vacuum pump (fig. 1) manufactured at the Sumskiy mashinostroitel'nyy zavod im. M.V. Frunze (Sumy Machine-Building Plant im. M.V. Frunze), and compare it with the PMK (RMK) water ring vacuum pump (fig. 1). The VVN-50 pump has a capacity of 50 m³/min, and can be used as a vacuum pump and a low pressure compressor (to 1.5 at). The advantage of the new pump is that it can be more easily used for compressing explosive and toxic gases. This is due to its automatic self-regulating hydraulic packings which prevent the gas from streaming out of the working space and the sealing liquid from flowing out of the system; since the

Card 1/2

New designs of hermetic...

S/184/62/000/001/002/009
D041/D113

shaft packing is located near the liquid and not near the gas as in conventional pumps, the system is still more air-tight. Ejectors operating as booster-pumps can be used to increase the vacuum. As compared to water ring vacuum pumps presently used in the USSR, the VVN-50 pump has the following advantages: (1) specific capacity reduced to 24%; (2) specific water delivery reduced to 50%; (3) weight per 1 m³/min of output reduced to 21% and (4) required floor space reduced by 22%. There are 5 figures and 2 tables.

Card 2/12

ZAKSE, V.

Principles and application of the method of slope founding.
Mashinostroene ll no.2:39-42 F '62

USSR/Medicine - Penicillin
Medicine - Ophthalmology

Feb 49

"Effect of USSR-Produced Penicillin on Some Diseases of the Ocular Conjunctiva and Its Bacteriostatic Action Against the Aqueous Humor When Applied Locally," R. R. Zakshever, Dept. of Ophthalmol., RR Hosp., Eye Clinic, Novosibirsk GINU, 2½ pp

"West Oftalmol" Vol XVIII, No 2

Tabulated data collected from 150 cases of conjunctivitis, blepharconjunctivitis, and keratitis treated with USSR penicillin; 85 cases were cured,

57/49T82

USSR/Medicine - Penicillin (Contd) Feb 49

55 cases showed improvement, and only 10 cases showed no improvement. Latter were cases afflicted with Morax-Axenfeld's conjunctivitis which had previously proved resistant to penicillin. Claims US penicillin required longer duration of treatment and did not show as complete a recovery.

57/49T82

ZAKSHEVER, R. R.

POLAND / ZAKSHEVSKAYA

Microbiology. General Microbiology.

Abs Jour : Ref Zhur - Biol., No 2, 1958, No 5114

F-1

Author : Meduskiy, Zbrozhina, Zakshevskaya, Ol'kovskaya

Inst : Not given

Title : Study of Phospholipase of *C. Clostridium Perfringens* Saturated Lecithins as Substrate of Phospholipase C. in Aqueous Medium.

Orig Pub : Acta microbiol. polon., 1956, 5, Nos 1-2, 73-76

Abstract : None

Card : 1/1

FEYGIN, Ye. (Pol'skaya Narodnaya Respublika); ZAKSHEVSKI, L. [Zakrzewski, L.]
(Pol'skaya Narodnaya Respublika)

Methods of evaluating certain properties of polyformaldehyde.
Plast.massy no.5:60-63 '60.
(Formaldehyde) (MIRA 13:7)
(Plastics)

Zakhevskiy

POLAND / Virology. General problems.

E-1

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21680

Author : Zakhevskiy

Inst :

Title : Virus Isolation Methods.

Orig Pub: Zesz. probl. nauki polsk., 1956, No 7, 121-162
Dyskus. 235-277

Abstract: Review. Bibl. 122 refs.

Card : 1/1

-8-

ZAKSHEVSKIY, K.
USSR/Colloid Chemistry. Dispersion Systems

B-14

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26403

Author : K. Zakshevskiy, Z. May, K. Muravskiy
Title : Interaction between Borate and Dextran.

Orig Pub : Biokhimiya, 1956, 21, No 5, 596-602

Abstract : Homogeneous fractions of dextran (I) in a borate solution of pH = 10 posses an electrophoretic mobility proportional to the molecular weight of dextran within the limits from 18,000 to 60,000. The speed of the electrophoretic motion of I depends on the molarity of the borate. The greatest difference in the speed of various I fractions is observed in 0.045 to 0.85 M buffers. This differences diminishes in more concentrated solutions of boric acid, as well as in less concentrated ones. The possibility of electrophoretic separation of mixtures of I differing by the molecular weight is established. The amount of bound borate radicals considerably exceeds 1.5 per glucose radical, which excludes the possibility of formation of cyclic borate - diol compounds. The obtained experimental results correspond mostly to the hypothesis that each OH group of glucose is bound in the state of saturation with one borate radical.

Card : 1/1

ZAKSON, M. B.

PA 46/49T28

USSR/Electronics
Wave Guides
Mathematics, Applied

Jun 49

"Modification of One Method for Calculating the
Excitation of Wave Guides," M. B. Zakson, 4 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 4

Generalization of Fel'd's method for calculating
excitation of wave guides, illustrated by an
example in which excitation of an infinite, regu-
lar wave guide of arbitrary cross section with
ideally conducting walls is calculated. Sub-
mitted by Acad M. A. Leontovich, 31 Mar 49.

46/49T28

L 2720-65 EAT(1)/EEC-4/EEC(t)/EEC(b)-2/FCS(k) Pac-4/Pae-2/Pi-4/Pj-4/Pl-4
ACCESSION NR: AP5002893 MR S/0109/65/010/001/0007/0013

45

32

B

AUTHOR: Zakson, M. B.; Merkulov, V. V.

TITLE: Nonequidistant antenna arrays with randomly deployed elements

SOURCE: Radiotekhnika i elektronika, v. 10, no. 1, 1965, 7-13

TOPIC TAGS: antenna, antenna array

ABSTRACT: Cophasal linear arrays with randomly arranged elements are theoretically analyzed. The arrays are characterized by some statistical parameters. Formulas for average and mean-square values of the directional pattern are developed as a result of consideration of two sets of conditions: (1) A nonequidistant array is built by placing an n-th element at a distance l_n of the n-th element of the original equidistant array; the values l_n are randomly independent and are characterized by a $W_n(l_n)$ law of distribution; (2) Radiators are placed with equal probability into an interval $-a+a$. A formula (29) is also

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ACCESSION NR: AP5002893

derived for the probability of antenna lobes having a specified level. The theoretical results are in good agreement with those obtained by I. T. Lo (IEEE Trans., Antennas and Propagation, 1963, 95). Orig. art. has: 4 figures and 34 formulas.

ASSOCIATION: none

SUBMITTED: 28Oct63

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 001

Card 2/2

ROTMISTROV, M.M.; ZAKSON, M.L.; YUR'YEVA, O.S. [IUr"ieva, O.S.]

New synthetic antibiotic-type medicinal preparations in
stomatological practice. Visnyk Kyiv. un. Ser. biol.
no.1:101-102 '58. (MIR 15:6)
(ANTIBIOTICS) (STOMATOLOGY)

ROTMISTROV, M.N.; ZAKSON, N.L.; KULIK, G.V.; GAMALEYA, N.F.; VASILEVSKAYA, I.A.

Use in stomatology of new synthetic antimicrobic preparations.
Stomatologija 39 no.6:22-26 N-D '60. (MIRA 15:1)

1. Iz kafedry mikrobiologii i antibiotikov) zav. - prof. M.N.
Rotmistrov) Kiyevskogo gosudarstvennogo universiteta.
(STOMATOLOGY) (ANTISEPTICS)

TARAN, V.D., prof., doktor tekhn.nauk; ZAKSON, R.I., kand.tekhn.nauk

Brittleness of steel in sheet construction elements. Prom. stroi.
38 no.10:29-32 '60. (MIRA 13:9)

(Steel--Brittleness)

ZAKSN, R.I.; VOZNESENSKIY, V.D.

Stud welding to plates by the friction method. Avtom. svar. 14
no.6:58-62 Je '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i
sel'skokhozyaystvennogo mashinostroyeniya.
(Cold welding)

ZAKSON, R.I.; TURUKIN, F.G.

Welding and hard facing by friction of agricultural machinery parts. Avtom. svar. 18 no.3:48-50 Mr '65.

(MIRA 18:6)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya.

L 7045-65 EWT(m)/EWP(f) Pe-4 ASD(m)-3 RM
ACCESSION NR: AP4043484 S/0135/64/000/008/0023/0024

AUTHOR: Anisimova, A. P. (Engineer); Zakson, R. I. (Candidate of technical sciences)

TITLE: Oscillating-motion friction welding of plastics¹⁵

SOURCE: Svarochnoye proizvodstvo, no. 8, 1964, 23-24

B

TOPIC TAGS: friction welding, plastics welding, welding, heat sealing

ABSTRACT: A study has demonstrated the feasibility of vibration friction welding of thermoplastics of virtually any thickness. As indicated in Fig. 1 of the Enclosure, parts 1 and 2 are pressed together by load (p), are rubbed with oscillating motion with amplitude (A) and frequency (v), and are thereby heated to a certain depth. The friction welding equipment is described and the experimental conditions are tabulated in the original article. The governing parameters of the process are v , A , and p (at the velocity used, 9 m/min, p is a function of the physical properties of the plastics, particularly of density). The following empirical relation held true, all other con-

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L-7045-65
ACCESSION NR: AP4043484

ditions remaining the same:

$$P = a + k(\gamma - 1),$$

where P is the pressure in kg/mm^2 , a and k are constants, and γ is the density of the plastic in g/cm^3 at $\gamma \leq 1 - P = 0.2 \text{ kg/mm}^2$. The time of welding is independent of the cross section of the part. An increase in the area of contact and thickness of the parts increases the power requirement. The following plastics were welded: low- and high-pressure polyethylene; polystyrene; capron; poly(methyl methacrylate); poly(vinyl chloride); and polyoxymethylene. Orig. art.

ASSOCIATION: NITRAKTOSEL'KHOZHASH

SUBMITTED: 00 ATD PRESS: 3104

ENCL: 01

SUB CODE: MT, IE NO REF Sov: 000

OTHER: 000

Card 2/3

L 7045-65
ACCESSION NR: AP4043484

O
ENCLOSURE: 01

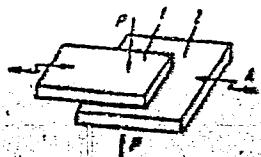


Fig. 1. Oscillating-motion
friction welding

Card

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ZAKSON, R.I., kand.tekhn.nauk; VOZNESENSKIY, V.

Friction welding. Trakt. i sel'khozmash. no.1:44-45 Ja '59.
(MIRA 12:1)

1. Nauchno-issledovatel'skiy institut Traktorsel'khozmash.
(Welding)

SOV/135-59-10-9/23

18(5)

AUTHORS: Zakson, R.I., Candidate of Technical Sciences, and Voznesenskiy,
V.D., Engineer

TITLE: "Power" and Thermic Parameters of Friction Welding

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 10, pp 21-22 (USSR)

ABSTRACT: The authors present a report on studies made at the institute NIITRAKTORSEL'KhOZMASH on power, time and thermic parameters of friction welding. The process of friction welding can be separated into three stages: a) grinding the surfaces; b) heating up the ground-in surfaces to the welding temperature; c) upsetting and forging. In the initial stage, the wearing of the component ends is negligible. The general output of rotation

$$N_n = \frac{4 \pi P_n}{r_2^2 - r_1^2} \int_{r_1}^{r_2} f_n r^2 dr , \quad (2)$$

where P is the axial force; r_2 and r_1 are the external and internal radiiuses of pipes (for solid sections $r_1 = 0$); f_n is the friction factor

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SOV/135-59-10-9/23

Power and Thermic Parameters of Friction Welding

at the beginning of the process, and n is the number of revolutions. The output in the second basic stage

$$N_o = \frac{2\pi Pn}{r_2 - r_1} \int_{r_1}^{r_2} f_o r dr, \quad (4)$$

where f_o is the friction factor

in this stage. The power demand for friction welding is therefore expressed:

$$W = \int_{t_0}^{t_1} N_n dt + \int_{t_1}^{t_2} N_o dt, \quad (5)$$

where $t_1 - t_0$ and $t_2 - t_1$

are the durations of the first and second stage of the process.
The specific pressure for the initial stage

$$p_n = \frac{P}{\pi(r_2^2 - r_1^2)} \quad (1)$$

and for the 2nd stage

$$p_o = \frac{P}{2\pi r(r_2 - r_1)}. \quad (2)$$

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SOV/135-59-10-9/23

Power and Thermic Parameters of Friction Welding

The table gives the friction factors for the first and second stage for rotation speeds from 200 rpm, 300 rpm and 500 rpm. The heating during friction welding is not even all over the section. At the beginning of the process the temperatures in the other plies are higher, later on the maximum temperature is located in the center. At the end of the process the temperature is equalized all over the section and amounts to 1,000-1,100°C (for steel). According to this fact, the duration of the welding has to be chosen. There are 2 photographs, 2 graphs, 1 oscillogram and 1 table.

ASSOCIATION: NIITRAKTORSel'Kh0ZMASH

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i.2310

22944

S/125/61/000/006/008/010
DO40/D112

AUTHORS: Zakson, R. I., Voznesenskiy, V.D.

TITLE: Attaching studs to plates by friction welding

PERIODICAL: Avtomaticheskaya svarka, no. 6, 1961, 58-62

TEXT: Friction welding is coming into use in the USSR, Czechoslovakia and Red China, but on a limited scale only because of the lack of equipment and process data. Butt friction welding process for two parts from different steel has been described in two publications (Ref. 1: R. I. Zakson, V. D. Voznesenskiy, Svarka treniyem, VINITI AN SSSR, 1959, and Ref. 2: V.I.Vill', Svarka metallov treniyem, Mashgiz, M.-L., 1959), and data on friction welding method for immobile parts with the use of a rotating third body in a third publication (Ref. 3: V.I. Vill', E. S. Komarcheva, "Avtomaticheskaya svarka", no. 10, 1960). The NIITraktorosel'khozmash has conducted experiments with low-carbon specimens connected by friction welding to plates. The experimental machine with hydraulic rotation and pressure drive has been described (Ref. 5: R. I. Zakson, N. N. Kupryashin, V. D. Voznesenskiy, Opyt svarki treniyem v SSSR i za rubezhom [Friction welding in the USSR and abroad], VINITI AN SSSR, 1960). The optimum process data stated were:

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Attaching studs to plates by friction welding

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S/125/61/000/006/008/010
DO40/D112

hydromotor spindle velocity 1200 rpm; welding time (heating and forging) 2 sec; pressure rising smoothly in the welding process - from 0.5 - 10 kg/mm²; specific power of the electric motor actuating the hydromotor drive - 10 w/mm²; stud upsetting - 6 mm. Studs were welded to the threshing whips of an CK-3 (SK-3) harvesting combine threshing drum (a whip is a 1200 mm long and 45 mm wide strip corrugated on one side; 10 studs 12 mm in diameter and 33 mm long had to be welded to it). The produced joints were fully sound, the fusion zone fine-grained. Migration of carbon into the joint was established. The whips passed a test on working combine. Conclusions: 1) Friction produces localized heat in the spot directly at the friction surface; 2) Localized heat makes possible joining parts from different steel with different masses; 3) Hardening to 1.5 - 2 mm depth from surface and carbon concentration in the fusion zone was observed in friction welding of 50F (50G) steel; 4) Tempering at 550-600°C evens out structure in the fusion zone and makes the joints dependable. There are 4 figures, 2 tables and 6 Soviet references.

ASSOCIATION: NIITraktorosel'mash

SUBMITTED: January 27, 1961

Card 2/2

ZAKSTEL'SKAYA, L.Ya., doktor med.nauk

Grippe or catarrh? Zdorov'e 8 no.12:10-12 D '62. (MIRA 16:1)
(VIRUS DISEASES)

ZAKSTEL'SKAYA, L. YA

- "Toxic Properties of Grippe Virus." Thesis for degree of Cand. Medical Sci. Sub 16 Nov 50, Acad Med Sci USSR

Summary 71, 4 Sep 52. Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernaya Moskva, Jan-Dec 1950.

ZAKSTEL'SKAYA, L. Ya.

"Concerning the isolation of the influenza virus from the urine of influenza patients." Problema grippa i Ostrykh Katarrov Verkhnikh Dykhatel'nykh Putey, Moscow, 1952, pp. 22, 23.

"Experimental Study of the effectiveness of intranasal and subcutaneous methods of immunization in influenza." Problema Grippa i Ostrykh Katarrov Verkhnikh Dykhatel'nykh Putey, Moscow, 1952, pp. 49-50

Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, No. 3, 1953, pp. 80-89

BFB

ZAKSTEL'SKAYA, L.Ya.

[Toxicity of the influenza virus] Toksichnost' virusa grippa.
Moskva, Izd-vo Akademii med. nauk SSSR, 1953. 82 p. (MLRA 7:6)
(Viruses) (Influenza)

ZAKSTEL'SKAYA, L.Ya.; RITOVA, V.V.; CHUMAKOV, M.P., chlen-korrespondent Akademii meditsinskikh nauk, direktor.

Adaptation of the influenza virus in human tissue. Zhur.mikrobiol.epid.i immun. no.8:54-58 Ag '53. (MLBA 6:11)

1. Institut virusologii im. D.I. Ivanovskogo Akademii meditsinskikh nauk SSSR.
2. Akademiya meditsinskikh nauk SSSR (for Chumakov). (Influenza)

USSR/Medicine - Virus Influenza ZAKSTEL'SKAYA, L. Ya.

FD 155

Card 1/1

Author : Ritova, V. V. and Zakstel'skaya, L. Ya.

Title : The perfection of methods for preparing vaccine strains of A¹ and B influenza virus.

Periodical : Zhur. mikrobiol. epid. i immun. 5, 55-61, May 1954

Abstract : Investigations of the A, A¹, and B strains of the influenza virus showed that freshly isolated strains adapted well to the conditions present in the mucous membranes of the upper respiratory tract in humans, while laboratory strains grown in chick embryos or in the bodies of white mice did not. A successful method of growing vaccine strains in embryonic human lung tissue and a new strain, A¹ TChE₆, which is especially adapted to this method are described. The results of investigations of the immunological characteristics of the various strains are presented on 5 charts and a graph. Reference is made to a previous article by the authors in Zhur. mikrobiol. epid. i immun., 8, 1953.

Institution : The Institute of Virology imeni D. I. Ivanovskiy, Academy of Medical Sciences USSR

Submitted : November 2, 1953

ZAKSTEL'SKAYA, L.Ya.

RITOVA, V.V.; ZAKSTEL'SKAYA, L.Ya.

Modification of antigenic structure of influenza virus A and A₁
during five years. Zhur.mikrobiol.epid. i immun. no.9:43-49 S '54.
(MLRA 7:12)

1. Iz Instituta virusologii AMN SSSR (dir. prof. R.N.Kosyakov).
(INFLUENZA VIRUSES,
A & A₁, antigenic changes during 5 years)

ZAKSTEL'SKAYA, L.Ya.; RITOVA, V.V.

Type specificity of serological reactions in influenza. Zmr.
mikrobiol. epid. i immun. no.9:49-56 S '54. (MIRA 7:12)

1. Iz otdela grippa (sav. prof. V.M.Zhdanov) Instituta virusologii
imeni D.I.Ivanovskogo AMN SSSR (dir. prof. P.N.Kosyakov).
(INFLUENZA, immunology,
specificity of serol. reactions)

ZHDANOV,V.M., redaktor; BEKLEMISHEV,V.N., redaktor; BILIBIN,A.P.,
redaktor; VYGODCHIKOV,G.V., redaktor; DOBROKHOTOVA,A.I.,
redaktor; ZHUKOV-VYREZHNICKOV,N.N., redaktor; ZDRODOVSKIY,A.I.,
redaktor; KASHKIN,P.N.. redaktor; KRICHINSKIY,A.M., redaktor;
PAVLOVSKIY,A.M., redaktor; PODYAPOL'SKAYA,V.P., redaktor;
POPOV,I.S., redaktor; RUDNEV,G.P., redaktor; SKRYABIN,K.I., redak-
tor TIMAKOV,V.D., redaktor; BUNIN,K.V., redaktor; ZAKSTEL'SKAYA,
L.I., redaktor; SACHMVA,A.I., tekhnicheskij redaktor

[Contagious diseases in man; academic reference book] Zaraznye
bolezni cheloveka; akademicheskii spravochnik. Moskva, Gos.izd-
vo meditsinskoi lit-ry, 1955. 681 p. (MIRA 9:3)

1. Akademiya meditsinskikh nauk SSSR, Moscow.
(CONTAGION AND CONTAGIOUS DISEASES)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620017-6

ZAKSTEL'SKAYA, L.Ya.,

Opsonocytophagic reaction to Staphylococcus in influenza patients.
Zhur.mikrobiol. epid. i immun. no.8:105 Ag '55 (MLRA 8:11)
(STAPHYLOCOCCUS) (INFLUENZA--BACTERIOLOGY)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620017-6"

EXCEP^TTA MEDICA Sec.4 Vol.11/4 Med.Microb. etc. April 58

994. IMMUNOLOGICAL REACTION IN RATS IMMUNIZED WITH VARIOUS TYPES OF INFLUENZA VIRUS (Russian text) - Zakstelskaya L.
Ya. Ivanovski Inst. of Virol., USSR Acad. of Med. Sci., Moscow - VOPR.
VIRUSOL. 1956, 5 Tables 2

A group of rats was immunized with influenza virus type A. A month later 6 rats from this group were revaccinated with various types of virus (A₁, A, B) and 6 weeks afterwards all the animals were again revaccinated with the virus of type A. The titre of specific antibodies in the blood of the animals was carefully checked. Basic immunity in this series of experiments was brought about by the type B virus. Revaccination of one group was performed with the same virus and another group with type A. It was found that by introducing type A₁ virus into animals possessing basic immunity against type A, the virus type A₁ group showed group-anamnestic reaction. Introduction of virus type B did not produce the anamnestic reaction in rats which had been immunized earlier with type A₁, and vice versa, virus of the type A₁ did not induce the anamnestic reactions in animals to which type B had been given earlier. References 7.

Chakhova - Moscow (S)

ZAKSTEL'EKAYA, L. Ya.

"Immunological Reaction in Rats Immunized With Various Types of Influenza Virus," by L. Ya. Zakstel'skaya, Institute of Virology imeni D. I. Ivanovskiy, Academy of Medical Sciences USSR, *Voprosy Virologii*, Vol 1, No 5, Sep/Oct 56, pp 43-47

A special experiment was set up to determine the effect of residual basic immunity occasioned by one type of virus on the subsequent development of immunological reaction connected with other types of virus.

Groups of rats were initially immunized with type A influenza virus, strain "Schklyaber." Each of several groups was revaccinated within a month with a specific type of influenza virus. A month and a half later, all the rats were again revaccinated with one type of A virus, strain "Klim." On the 12th day after vaccination, and also on the day before and the day after vaccination, 0.2 ml of blood was taken from the tail of each animal, mixed with one ml of physiological solution, centrifuged, filtered, and stored until used. The antibody content in samples of serum taken during all stages of the experiment was calculated by means of the hemagglutination-inhibition reaction with all three types of virus.

A series of graphs show the antibody content in serum from rats immunized with all three types of influenza virus. A table is included to show storage and accumulation of antibodies in animals alternately vaccinated with various types of influenza virus.

Conclusions derived from these experiments are as follows:

"1. The study of immunological reaction in rats after types A, A¹, and B influenza virus had been introduced to them showed that type A¹ virus given to animals having basic immunity occasioned by type A virus could cause an increase in group anamnestic reactions. These reactions were more pronounced the stronger the level of basic immunity and the shorter the time that had elapsed between the last injection of type A virus and the introduction of type A¹ virus.

"2. Type B influenza virus did not occasion a reinforcement of group reactions in animals with basic immunity to type A¹ virus; in animals which had basic immunity to type B virus, no increase was observed after revaccination with type A¹ virus."

Sum 1239

ZAKSTEL'SKAYA, L.Ya.

Study of the asymptomatic carrying of the influenza virus [with
summary in English] Vop. virus, 2 no.1:33-39 Ja-F '57

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(MLRA 10:5)
(INFLUENZA, transm.
asymptomatic carriers of virus in nasopharynx) (Rus)

EXCERPTA MEDICA Sec 4 Vol 12/1 Med. Micro. Jan 59

359. IMMUNOGENIC PROPERTIES OF LIVE INFLUENZA VACCINE AND
CAUSE OF INFLUENZA CASES AMONG THE VACCINATED (Russian
text) - Zakstelskaya L. Ya., Yakhno M. A., and Efimova V. A.

- VOPR. VIRUS. 1957, 4 (213-219) Graphs 3 Tables 4

Live influenza vaccine issued in Moscow in 1953-1954 was studied in vaccinated subjects in relation to the multiplication of the strains (type A, A-prime and B) included in the vaccine. Multiplication of the strains occurred in 62% on the average (40% of adults and 80% of children). The multiplication of more than one type was noted mainly in children aged 7-9 yr. The vaccine induced 4-8-fold increase in antibody against the strains which had been shown to multiply. When revaccination was conducted 1, 3, 6 and 12 months later it was established that multiplication took place of those strains which had not multiplied first. Cases of influenza in the vaccinated were observed mainly in persons who failed to show multiplication.

USSR/Virology. Human and Animal Viruses. Grippe Virus

E

Abs Jour : Ref Zhur - Biol., No 4, 1959, No 14618

by antigenic structure from the vaccine strains (among those also the virus of the type C) and by inadequate duration of the vaccinal immunity. A.S. Gorbunova.

Card : 3/3

ZAKSTEL'SKAYA, L.Ya., YEFIMOVA, V.A.

Histopathological changes in the lungs in mice infected by variants of influenza virus A, adapted and not adapted to mice. [with summary in English]. Vop.virus. 3 no.5:281-287 S-O '58
(MIRA 11:10)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA, experimental,

A, lung histopathol. in mice infected with mouse-adapted & non-adapted strains (Rus))

(LUNGS, pathology

in exper. influenza A in mice, variations in mice infected with mouse-adapted & non-adapted strains (Rus))

YAKHNO, M.A.; ZAKSTEL'SKAYA, L.Ya.; ZHDANOV, V.M.

Receptor activity of influenza and influenza-like viruses. Vop.virus.
4 no.6:652-659 N-D '59. (MIRA 13:3)

1. Institut virusologii imeni D.M. Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA VIRUSES)
(VIRUSES)

KETILADZE, Ye. S.; ALEKSEYEVA, A. A.; SOROKINA, Ye. Yu.; LOZHKOINA, A. N.;
KNYAZEVA, L. D.; ZAKSTEL'SKAYA, L. Ya.; LYARSKAYA, T. Ya.

Angina in influenza and adenovirus diseases. Vest. otorin. no.3:
9-15 '62. (MIRA 15:6)

1. Iz klinicheskogo otdeleniya (nauchnyy rukovoditel' - deyствител'nyy chlen AMN SSSR prof. A. F. Bilibin, zav. - dotsent Ye. S. Ketiladze) Instituta virusologii AMN SSSR (dir. - deyствител'nyy chlen AMN SSSR prof. V. M. Zhdanov) na baze klinicheskoy infektsionnoy bol'nitsy No. 2, Moskva.

(INFLUENZA) (ADENOVIRUS INFECTIONS)
(TONSILS--DISEASES)

ZAKSTEL'SKAYA, L.Ya.; YEFIMOVA, V.A.

Age distribution of antibodies in influenza and its importance for
the study of the epidemiology of influenza. Vop.virus 7 no.4:83-88
Jl-Ag '62. (MIRA 15:8)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA) (ANTIGENS AND ANTIBODIES)

SUKHAREVA, M.Ye.; ZLATKOVSKAYA, N.M.; ZAKSTEL'SKAYA, L.Ya; SHENDEROVICH, S.F.

Combination of virus infections. Pediatriia 42 no.5:9-15 My'63.
(MIRA 16 :11)

1. Iz infektsionnogo otdela kafedry pediatrii (zav. deystvivel'-nyy chlen AMN SSSR, prof. G.N. Speranskiy) i Instituta virusologii (dire. - deystvitel'nyy chlen AMN prof. V.M. Zhdanov) AMN SSSR.

*

ACC NR: AP6028732

(N)

SOURCE CODE: UR/0402/66/000/004/0496/0504

AUTHOR: Zakstel'skaya, L. Ya.; Zhdanov, V. M.; Isachenko, V. I.; Krasovskaya, I. A.

ORG: Institute of Virology im. D. I. Ivanovskiy, Academy of Medical Sciences, SSSR,
Moscow (Institut virusologii AMN SSSR)

TITLE: Classification and nomenclature of influenza viruses

SOURCE: Voprosy virusologii, no. 4, 1966, 498-504

TOPIC TAGS: influenza, influenza virus, biologic classification, taxonomy, virus,
virology

ABSTRACT: A special committee formed for the development of a unique
classification and nomenclature of viruses has offered a plan
in which the grouping and division of viruses is based on
determination of the chemical composition and detailed anatomical
structure of the viruses. The following table presents the general
principles of classification:
The article also includes data concerning the antigenic relation-
ship of the characteristic strains of influenza virus and an
exemplary chart for the classification of these viruses. It

Card 1/2

UDC: 616.912.084.47(063)(47)<1965>

ACC NR: AP6028732

is noted that this classification serves not as an entire system, but as a starting point for work in this area.

[WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 10Feb66/ ORIG REF: 007/ OTH REF: 019/

Card 2/2

SUKHAREVA, M.Ye.; ZAKSTEL'SKAYA, L.Ya.; BERZINA, L.A.; LINYAYEVA, Ye.A.;
TRIVUS, N.L.; TSI TYAN'-MAO [Chi'i T'ien-mao]

Effect of respiratory virus infections on the course of gastrointestinal
diseases in children. Vop. okh. mat. i det. 8 no.7:3-7 Jl '63.
(MIRA 17:2)

1. Iz infektsionnogo otdela kafedry pediatrii TSentral'nogo instituta
usovershenstvovaniya vrachey i Instituta virusologii AMN imeni D.I.
Ivanovskogo (direktor - deystvitel'nyy chlen AMN prof. V.M. Zhdanov)
na baze Detskoy klinicheskoy bol'nitsy imeni I.V. Rusakova (glavnnyy
vrach M.M. Kraseva).

GURVICH, E.B.; MIUSHIN, V.N.; SHATKIN, A.A.; USMAIKHODZHAYEV, A.;
ZAKSTEL'SKAYA, L. Ya.

Ad to virologist. Vop. virus. 10 no. 6:734-743 N-D '65
(MIRA 19:1)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov (for Gurvich, Milushin). Submitted August 28, 1964.
2. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva (for Shatkin). Submitted November 29, 1964.
3. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva (for Usmaikhedzhayev, Zakstel'skaya). Submitted January 13, 1964.

KETILADZE, Ye.S., dotsent; SOROKINA, Ye.Yu.; BOKOVA, Ye.V.; ZAKSTEL'SKAYA, L.Ya.; YAKHNO, M.A.; DREYZIN, R.S.; NISEVICH, L.L.

Parainfluenzal diseases in adults; clinical aspects and diagnosis.
Sov.med. 28 no.3:53-60 Mr '65. (MIRA 18:10)

1. Klinicheskiy otdel (nauchnyy rukovoditel' - deyствител'nyy chlen AMN SSSR prof. A.F.Bilibin; zav. - dotsent Ye.S.Ketiladze) Instituta virusologii imeni D.I.Ivanovskogo AMN SSSR (direktor - deyствител'nyy chlen AMN SSSR prof. V.M.Zhdanov) na baze Gorodskoy klinicheskoy infektsionnoy bol'nitsy Nr. 82 (glavnyy vrach - kand. med.nauk A.V.Yeremyan), Moskva.

ZAKSTEL'SKAYA, L.Ya., doktor med. nauk

Etiology of influenza-like diseases. Virusy i virus. zabol. no.1:64-
82 '64. (MIRA 18:2)

ZAKSTEL'SKAYA, L.Ya.; TSI TYAN'-MAC (Lefl. S'v'mo)

Pathology of infantile diarrhoea associated with a respiratory syncytial
Vpp. virus. 9 no.2:201-235 Mr.-Ap '64. MIR4 11/17

I. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

ZHDANOV, V.M.; LIPKIND, M.A.; KLIMENKO, S.M.; ZAKSTEL'SKAYA, L.a.

Some parameters of nucleocapsids of the Sendai virus. Vop.
virus 9 no.4:412-417 Jl.-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.

LIPKIND, M.A.; ZAKSTEL'SKAYA, L.Ya.

Correlation of 2 varieties of the influenza virus A2 with
allantoid fluid inhibitors in the chick embryo. Vop. virus
9 no.4:421-428 Jl-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

SHEENDEROVICH, S.F.; ZAKST-BESEAYA, L. Ya.; ASTRAKHAN, N.N.

Correlation of influenza viruses A2 with enterviruses during
their multiplication in tissue culture. Vop. virus ? no. 4
438-443 Jl-Ag '64

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR,
Moskva.

ZAKSTEL'SKAYA, L.Ya.; SHENDEROVICH, S.F.; SUKHAREVA, M.Ye.; ZLATKOVSKAYA, N.M.

So-called neuroinfluenza in children. Sovet. med. 26 no.5:
64-71 My'63 (MIRA 17:1)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR
G.N. Speranskiy) Tsentral'nogo instituta usovershenstvovaniya
vrachey i Instituta virusologii imeni D.I.Ivanovskogo (dir.
deystvitel'nyy chlen AMN SSSR V.M.Zhdanov) AMN SSSR.

LIPKIND, M.A.; ZAKSTELSKAYA, L.Ya.

Effect of chick embryo allantoic fluid inhibitors on stability
of haemagglutinins of two variants of A2 influenza virus. Acta
virologica (Prague) [Eng.] 8 no.3:286 My'64

1. Institute of Virology, U.S.S.R. Academy of Medical Sciences,
Moscow.

ZAKSTEL'SKAYA, L.Ya.; YAKHNO, M.A.; PICHUSHKOV, A.V.

Concentration and stabilization of parainfluenza virus types
1-3. Vop. virus 8 no.5:608-612 S-0'63 (MIRA 17 :1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR,
Moskva.

USMANKHODZHAYEV, A.; ZAKSTELSKAYA, L.Ya.

Stability of reovirus haemagglutinins. Acta virol (Praha)
[Engl] 8 no.1:84-87 Ja'64.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of
Medical Sciences, Moscow.

*

ZAKSTEL'SKAYA, L.Ya.; FAN I-LAN [Fang I-lang]; SHENDEROVICH, S.F.

Culture properties of the ECHO virus 28, the pathogen of diseases
resembling influenza. Vop. virus. 6 no.5:623-625 9-0 '61.
(MIRA 15:1)

1. Institut virusologii imeni D.I.Iyanovskogo AMN SSSR, Moskva.
(VIRUSES)

KITELADZE, Ye.S.; EPSHTAYN, F.G.; ALEKSEYEVA, A.A.; SOROKINA, Ye.Yu.;
KNAZAEVA, L.D.; LOZHKOINA, A.N.; ZAKSTEL'SKAYA, L.Ya.; KHARAKHASH'YAN,
K.T.

Clinical and virological study of influenza during the 1959 winter
outbreak. Vop. virus. 6 no.5:629-6-0 '61. (MIIA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA)

ZLATKOVSKAYA, N.M.; ZAKSTEL'SKAYA, L.Ya.; ZEL'TSER, S.F.

Some characteristics of the clinical manifestations in diseases
caused by hemadsorbing viruses. Vop. okh. mat. i det. 6 no.11:
14-19 N '61. (MLiu 14:12)

1. Iz infektsionnogo otdela (zav. prof. M.Ye. Sukhareva) kafedry
pediatrii (zav. - deystvitel'nyy chlen AMN SSSR prof. G.N.Speranskiy)
TSentral'nogo instituta usovershenstvovaniya vrachey i Instituta
virusologii imeni D.I.Ivanovskogo AMN SSSR.
(RESPIRATORY ORGANS-DISEASES) (VIRUS DISEASES)

ZAKSTEL'SKAYA, L.Ya.; FAN I-LAN [Fang I-lang]

Comparative study of the sensitivity of various tissue cultures
to the influenza and para-influenza viruses. Vop. virus 7
no.1:71-79 Ja-F '62. (MIRA 15:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR,
Moskva.

(INFLUENZA--MICROBIOLOGY)
(TISSUE CULTURE)

ZAKSTELSKAYA, L.Ya.; FAN-L-LAN

Sensitivity of stable cell lines and their clonal variants to the cytopathic effect of respiratory and enteric viruses. Acta virol.
6 no.3:214-215 My '62.

1. D.I. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.
(TISSUE CULTURE) (VIRUSES culture)

ZAKSTELSKAYA, L. Ya.; YAKHNO, M. A.

On labile antibodies against A₂ influenza virus. Acta virol. Engl. Ed.
Praha 5 no. 6: 329-333. N '61.

I. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences,
Moscow.

(INFLUENZA immunol) (HEMAGGLUTINATION)

ZHDANOV, Viktor Mikhaylovich; SOLOV'YEV, Vladimir Dmitriyevich; EPSHTEYN,
Fedor Grigor'yevich. Prinimali uchastiye: GORBUNOVA, A.S.; FADEYEVA,
L.L.; ZAKSTEL'SKAYA, L.Ya.; SACHKOV, V.I., red.; BEL'CHIKOVA, Yu.S., tekhnred.

[What we know about influenza] Uchenie o grippe. Moskva, Gos.izd-vo
med.lit-ry, 1958. 581 p.
(MIRA 13:4)

1. Institut virusologii imeni Ivanovskogo ANN SSSR (for Zhdanov,
Solov'yev, Epshteyn). 2. Khar'kovskiy institut vaktsin i syvorotok
imeni Mechnikova (for Zhdanov). 3. Moskovskiy institut vaktsin i
syvorotok imeni Mechnikova (for Solov'yev).
(INFLUENZA)

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ZAKSTEL'SKAYA, L.Ya., doktor med.nauk

Riddles solved. Zdorov'e 7 no.12:10-12 D '61.
(INFLUENZA)

(MIRA 14:12)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963620017-6"

ZAKSTEL'SKAYA, L.Ya.

Labile antibodies and the dynamics of immunity in experimental influenza. Vop.virus. 7 no.3:324-327 My-Je '61. (MIRA 14:7)

1. Instituta virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA) (ANTIGENS AND ANTIBODIES)

ALEKSEYEVA, A.A.; ZAKSTEL'SKAYA, L.Ya.; KHARAKHASH'YAN, K.T.

Clinical aspects and treatment of influenza B during a winter outbreak. Sov.med. 24 no.11:90-96 N '60. (MIRA 14:3)

1. Iz kliniki virusnykh zabolеваний (zav. - prof. N.V.Sergeyev)
i laboratorii grippa (zav. - prof. V.M.Zhdanov) Instituta Virusologii
AMN SSSR (dir. - prof. P.H.Kosyakov).
(INFLUENZA)

ZAKSTELSKAYA, L. YA., SUKHAREVA, M.YE., SHEND^ERVICH, S.F., ZLATKOVSKAYA, N.M.

"Interrrelation of respiratory and enteric viruses under natural conditions
and in experiment."

Report submitted for the 1st Intl. Congress on Respiratory Tract Diseases of
Virus and Rickettsial Origin. Prague, Czech. 23-27 May 1961.

ZAKSTEL'SKAYA, L.Ya.

Use of a simplified neutralization reaction for the isolation
of antibodies against new strains of influenza virus A (Asia)
57. Vop.virus 2 no.6:373-375 N-D '57. (MIRA 13:5)
(INFLUENZA VIRUSES)

CHEBURKINA, N.V.; ZAKSTEL'SKAYA, L.Ya.; SLAVKO, T.D.

Metabolism of nucleic acids in developing chick embryos infected
with influenza viruses. Vop. virus. 9 no.6:670-674 N-D '64.
(MIRA 18:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

ZAKSTEL'SKAYA, L.Ya.; SUKHAREVA, M.Ye.; TSI TYAN'-MAO [Ch'i T'ien-mao];
BERZINA, L.F.; LINTAYEVA, Ye.A.; LUTSEVICH, I.A.

Acute respiratory diseases in hospitals for children with
gastrointestinal disorders. Sov. med. 27 no.12:25-29 O '64.

(MIRA 18:11)

1. Institut virusologii (dir.~. deystvitel'nyy chlen AMN SSSR
prof. V.M. Zhdanov) i Tsentral'nyy institut usovershenstvovaniya
vrachey (rekfor ~ M.D. Kovrigina).

ZAKTREGER, N. I.

25842

Diferentsiatsiya plodovykh pucher u tsitruso bykh. Trydy po prikl. Botanike i selektsii (Vsesoyuz, in-t rastenievodstva) T. XXVIII, vyp, 2, 1949, s. 161-81.
Bibliogr: 5 nazv.

SO: Letopis' No. 34

ZAKULA, R.

"Salmonella in bovine." co-au. SAVIC, I. Inst. for Hygiene of animals products, Vet. Fac., Beograd.

Vet. Glasnik 6 : 4-14, 1952 /Jan.

YUGOSLAVIA/Chemical Technology - Chemical Products and Their
Application - Food Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 3C652

Author : Zakula, R.

Inst : -

Title : The Latest Advances in Meat Packaging.

Orig Pub : Veterin Glasnik, 11, No 2, 233-237, 1957, (in Servo-Croatian with an English summary)

Abstract : A survey with a bibliography listing ten references.

Card 1/1

33

ZAKULA, S.

SURNAME (in caps); Given Name(s)

Country: Yugoslavia

Academic Degrees: (not given)

Affiliation:

Source: Belgrade, Veterinarski glasnik, No 7, 1961, pp 587-592.

Data: "Hexaphen Efficiency in the Prevention of Fascioliasis and Gastro-Enteric Strongylosis in Sheep."

Authors:

MLADENOVIC, Z., Veterinary Center (Veterinarski zavod), Zemun

ZAKULA, S., affil. not given

BUGARSKI, V., affil. not given

NEVENIC, V., Institute for Invasion Diseases of the Faculty of Veterinary
Medicine (Institut za invazione bolesti Veterinarskog fakulteta), Belgrade

YUGOSLAVIA

ZAKULA, Sofija S.

"Effect of the Microflora of Milk and of Some Dairy Products on the Hygienic Quality in Relation to the Temperature of Preservation"

Belgrade, Acta Veterinaria, Vol 16, No 1-2, 1966, pp 163-170

Abstract: Pasteurized milk, pasteurized sweet cream, and butter from pasteurized cream that had been produced at a dairy under customary conditions were subjected to microbiological examination. The products were kept at 3-5°, 10-12°, and 18-20° until the acidity of milk reached 9° SH, the acidity of cream reached 6° SH, and the butter developed marked organoleptic changes. Two groups of microorganisms were detected: 1) those that survived pasteurization (representatives of the genera *Bacillus*, *Streptococcus*, and *Lactobacterium*); 2) those that were introduced as a result of contamination after pasteurization (species of the genera *Achromobacter* and *Pseudomonas* as well as coliform bacteria). The limits set to the acidity did not prevent propagation of bacteria: the count was still rather high. At 3-5°, *Achromobacter*, *Pseudomonas*, *Alkaligenes*, *Flavobacterium*, *Aerobacter*, and *Micrococcus* micro-organisms propagated, while at 10-12° streptococci associated with the souring of milk were found in addition to these. At 18-20°, all the micro-organisms mentioned propagated in the samples tested. Pasteurized milk and

1/2

YUGOSLAVIA

PETROVIĆ, M., Dr., ŽAKULA, Sofija, Dr., Veterinary Institute, Novi Sad

"A Contribution to the Study of Coliform Bacteria Isolated from Milk for General Consumption"

Belgrade, Veterinarski Galesnik, Vol 20, No 9, 1966, pp 659-662

Abstract: This bacteriological investigation of 300 samples of natural and 100 samples of Pasteurized milk was carried out with the aim of establishing the degree of contamination by coliform bacteria. Coliform bacteria were found in 36.0% of the natural samples and 4.5% of the pasteurized samples; however, serologic types of *E. coli* were encountered in only 1.3% of the non-pasteurized samples. There are 4 Yugoslav and 9 Western references. (Manuscript received, 23 Jun 66.)

1/1

ZAKULENKO^V, L.

"Seas created by man" by B.A. Makovskii. Reviewed by L.Zakulenkov.
Geog.v shkole 22 no.6:92 N-D '59. (MIRA 13:4)
(Rivers) (Reservoirs) (Makovskii, B.A.)

SALYANOV, L. D.

"The Basin of the River Selizharovka and Lake Seliger (Physico-geographical Characteristics)." Cand Geo; Sci, Moscow State Pedagogical Inst, Moscow, 1954. (RZhGeol, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

30(1)

SOV/26-59-4-38/43

AUTHOR:

Zakulenkov, L.D., Candidate of Geographical Sci-
ences (Kalinin)

TITLE:

An Aid to Agriculturists (V pomoshch' rabotnikam
sel'skogo khozyaystva)

PERIODICAL:

Priroda, 1959, Nr 4, pp 121-122 (USSR)

ABSTRACT:

The author reviews the agricultural climatic refer-
ence book on the Kalinin Oblast published by the
Izdatel'stvo Glavnogo upravleniya Gidrometsluzhby
pri Sovete Ministrov SSSR (Publishing House of the
Main Administration of the Hydrologic-Meteorological
Service of the USSR Council of Ministers) in 1958.

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ZAKULENKOVA, L.D., kand. geogr. nauk (Kalinin).

Nature and the economy of Northwest China ("Northwest China" by
V.G. Kalmykova, I.Kh. Ovdienko. Reviewed by L.D. Zakulenkov.).
Priroda 47 no.11:116-117 N '58. (MIRA 11:12)

(Northwest China--Physical geography) (Kalmykova, V.G.)
(Ovdienko, I.Kh.)

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SOV/25-59-6-39/49

AUTHOR: Zakulenkov, L.D., Cand. of Geographical Sciences, (Kalinin)

TITLE: The Seas and Rivers of Our Country

PERIODICAL: Nauka i zhizn', 1959, Nr 6, p 74 (USSR)

ABSTRACT: This is a review of the book "Morya sozdannyye chelovekom" ("The Seas Made by Man") written by B.A. Makovskiy and published by Geografgiz, 1958. There is 1 photo.

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AUTHOR: Zakulenkov, L.D., Candidate of Geographical Sciences (Kalinin) SOV-26-58-11-40/49

TITLE: The Nature and Economy of Northwest China (Priroda i khozyaystvo severozapadnogo Kitaya)

PERIODICAL: Priroda, 1958, Nr 11, pp 116 - 117 (USSR)

ABSTRACT: The author reviews the book "Severo-Zapadnyy Kitay" (Northwest China) by V.G. Kalmykova and I.Kh. Ovdiyenko, published by the State Publishing House for Geographical Literature, 1957, 191 pages.

1. China--Geography 2. Geography--Economic aspects

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